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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/632,425	08/01/2003	David J. Hall	WJT001-0012C1 Time 82.1	4364
27512	7590	02/06/2004	EXAMINER	
WILLIAM J. TUCKER 8650 SOUTHWESTERN BLVD. #2825 DALLAS, TX 75206			GREGORY, BERNARRE E	
		ART UNIT	PAPER NUMBER	
		3662		

DATE MAILED: 02/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/632,425	HALL ET AL.
	<b>Examiner</b> Bernarr E. Gregory	<b>Art Unit</b> 3662

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) This action is **FINAL**.                                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 7-33 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 7-33 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \*    c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____.
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____.

1. Claims 7-33 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In independent claim 7, the phrase "that indicates an actual distortion of the transmitted first impulse radio signal" on line 6 is indefinite and unclear in context. Similarly, on line 10 of claim 7, the phrase "that indicates an actual distortion of the transmitted second impulse radio signal" is indefinite and unclear in context.

In independent claim 11 (on line 3), the phrase "that indicates an actual distortion of a transmitted first impulse radio signal" is indefinite and unclear in context.

In claim 11 (on line 5), the phrase "that indicates an actual distortion of a transmitted second impulse radio signal" is indefinite and unclear in context.

On lines 6-7 of independent claim 15, the phrase "that indicates an actual distortion of the corresponding one of the transmitted plurality of impulse radio signals" is indefinite and unclear in context.

In independent claim 19 (on lines 8-9), the phrase "that indicates an actual distortion of the transmitted first impulse radio signal" is indefinite and unclear in context.

In independent claim 19 (on lines 11-12), the phrase "that indicates an actual distortion of the transmitted second impulse radio signal" is indefinite and unclear in context.

In independent claim 25 (on line 5), the phrase "that indicates an actual distortion of a transmitted second impulse radio signal" is indefinite and unclear in context.

In independent claim 25 (on line 3), the phrase "that indicates an actual distortion of a transmitted first impulse radio signal" is indefinite and unclear in context.

On lines 7-8 of independent claim 29, the phrase "that indicates an actual distortion of the corresponding one of the transmitted plurality of impulse radio signals" is indefinite and unclear in context.

Dependent claims 8-10, 12-14, 16-18, 20-24, 26-28, and 30-33 are unclear in that they depend from unclear independent claims.

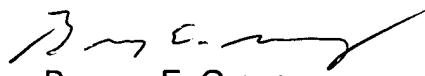
2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The examiner-cited is of interest in that it was cited in the parent application.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bernarr E. Gregory whose telephone number is (703) 306-5765. The examiner can normally be reached on weekdays from 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas H. Tarcza, can be reached on (703) 306-4171. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Bernarr E. Gregory  
Primary Examiner  
Art Unit 3662